

HYDROGEN PEROXIDE



PROPERTIES

PHYSICAL

Hydrogen Peroxide is a clear, colourless, slightly viscous liquid and miscible with water in all proportions.

CHEMICAL

Hydrogen Peroxide mainly produces "ACTIVE OXYGEN" in all concerned processes.

APPLICATIONS

- As a bleaching agent for Pulp, Paper, Textiles, Sugar, Coir, Tobacco etc industries.
- As an antiseptic agent in Pharmaceuticals.
- As a sterilising agent in Aseptic Packing.
- As raw material for Organic-Inorganic Chemicals, Dyestuffs and Pesticides.
- In Effluent Treatment.
- As a propellant for Rockets and Aircrafts.
- As an oxidising agent for Silver Ornaments.

SPECIFICATIONS

Concentration(±2%)	Unit	35% w/w	50% w/w	70% w/w
1. Stability(24 hrs at 100°C)	%	95 (min)	95 (min)	95 (min)
2. Acidity(as H_2SO_4)	g/100ml	0.015 0.03	0.015 0.03	0.07
3. Non-volatile residue	g/100ml	0.15 (max)	0.2 (max)	0.2 (max)
4. Residue on ignition	g/100ml	0.05 (max)	0.05 (max)	0.06 (max)
5. Iron(as Fe)	ppm	1.00 (max)	1.00 (max)	1.00 (max)
6. Copper(as Cu)	ppm	0.10 (max)	0.10 (max)	0.10 (max)
7. Arsenic(as As_2O_3)	ppm	2.0 (max)	2.0 (max)	2.0 (max)
8. Lead(as Pb)	ppm	10.0 (max)	10.0 (max)	10.0 (max)



- As a neutralising agent in Wine Distillation.
- As a chemical reagent for extraction of different metals Cobalt, Uranium, Tungsten, etc.
- As an etching & cleaning agent in Electronic Industry and Process Equipment.

STABILITY

The rate of decomposition of Hydrogen Peroxide to Water and Oxygen is about 0.5% per year at normal room temperature.

VERSATILITY

Use of Hydrogen Peroxide provides a "CLEAN PROCESS" and enables to maintain pollution free environment.

This data is based on technical Information available at the time of writing. However, they do not represent a specific guarantee on product performance and it is subject to change if required.